

Title (en)
Structure of floor slab bridge

Title (de)
Anordnung von Deckenplatten für Brücken

Title (fr)
Structure de plaques de plancher pour ponts

Publication
EP 1348810 A3 20050323 (EN)

Application
EP 03251768 A 20030321

Priority
JP 2002086134 A 20020326

Abstract (en)
[origin: EP1348810A2] To properly construct a floor slab bridge by forming a main girder structure of the floor slab bridge in a bridge using commercially available columnar H-shaped steels and then applying concrete thereto. A construction of the floor slab bridge comprises a plurality of columnar H-shaped steels 1 each disposed between adjacent bridge legs 5, 5 and arranged in side-by-side relation with an end face 2a of a lower flange 2 abutted with a corresponding end face 2a of the adjacent columnar H-shaped steel 1, a lower concrete layer 10 formed by placing concrete in space S defined between the upper and lower flanges 4 and 2 and between the adjacent web plates 3 through a concrete inlet port 8 formed between the adjacent upper flanges 2, an upper concrete layer 11 formed by placing concrete 9 on the upper flange 4, an iron reinforcement 12 is horizontally disposed on the upper flanges 4, an iron reinforcement 13 being suspended in the space S from the horizontal iron reinforcement 12 through the concrete inlet port 8, and the horizontal iron reinforcement 12 being embedded in the upper concrete layer 11 and the suspending iron reinforcement 13 being embedded in the lower concrete layer 10. <IMAGE>

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E01D 19/12; **E01D 2/00**; **E01D 101/26**

IPC 8 full level
E01D 1/00 (2006.01); **E01D 2/00** (2006.01); **E01D 19/12** (2006.01); **E01D 101/30** (2006.01)

CPC (source: EP US)
E01D 2/00 (2013.01 - EP US); **E01D 19/125** (2013.01 - EP US); **E01D 2101/268** (2013.01 - EP US)

Citation (search report)
• [XY] DE 19747971 A1 19990506 - INKOPLAN GES FUER INFRASTRUKTU [DE]
• [A] US 2031007 A 19360218 - SCHULZ WALTER F
• [DXY] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12 25 December 1997 (1997-12-25)

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ITBO20090265A1; EP1845199A3; EP1845199A2

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